



#### MEETING FORMAT:

The symposium will consist of 12 invited lectures (40 minutes speaking time) and several oral contributions (20 minutes speaking time). A poster session will be organized too. The meeting language is English.

#### VENUE:

The Workshop will take place in the Seminar Hall of the Collegium Maius, Jagiellonian University, Jagiellonska Street, no. 15, Kraków, Poland.

#### SOME WORDS ABOUT KRAKÓW:

Kraków is a city of one million people in the very heart of Europe. Poland's former capital, the cradle and Pantheon of Polish kings, it is also a city of learning with one of the oldest universities in Europe. Kraków is a city both of museums and of youth: a city of one hundred fifty thousand university students. It is a city of meetings, festivals and conferences. Moreover, it has preserved its individual body of structure and buildings. The functionality of its thirteenth-century urban plan can be seen in the fact that it still works today: now as then, cultural, administrative and commercial life is focused around Krakow's 40,000-square-meter town square, the largest one in Europe.

#### WORKSHOP IS COORGANIZED BY FP7 EU COLLABORATIVE PROJECTS:

**AtMol** (Atomic Scale and Single Molecule Logic Gate Technologies)

**PAMS** (Planar Atomic and Molecular Scale devices)

**SIAM** (Silicon at the Atomic and Molecular scale)



#### CONTACT:

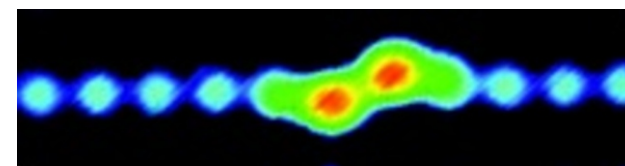
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Kraków, 2014

# International Workshop on Atomic Wires



Organized by Center for Nanometer-scale Science and Advanced Materials  
 NANOSAM, Jagiellonian University



**SIAM**



*Kraków, September 10-12, 2014*

## TOPICS:

- STM atom by atom construction of DB wires
- 2D materials
- STS spectroscopy
- Transport theory and surface band engineering of atomic wires
- N probe and full planar conductance measurements for atomic wires
- Automatic procedures for atom by atom construction of atomic wires & circuits
- Theory of N input/output and drive atomic scale electronic circuits

## PROCEEDINGS:

Proceedings of the International Workshop on Atomic Wires will be published as a separate volume of the Springer Series on Advances in Atom and Single Molecule Machines, Series Editor: Christian Joachim.  
<http://www.springer.com/series/10425>



## DEADLINES:

- Submission of abstracts: **15 August, 2014;**
- Registration and payment: **10 September, 2014**

Please, use the Workshop Website:

<http://atwires.nanosam.pl/>

## MEETING FEE:

A basic package conference fee is 250 EUR (includes coffee breaks, 3 lunches, social program, conference materials. It does not cover accommodation).

A standard 3\* package fee - 500 EUR covers a basic package and accommodation in a single room at \*\*\*hotel.

A standard 4\* package fee - 580 EUR covers a basic package and accommodation in a single room at \*\*\*\*hotel.

A standard 3\* package fee - 390 EUR covers a basic package and shared accommodation in a double room at \*\*\*hotel.



## INVITED SPEAKERS:

- 1) David Bowler, University College London, United Kingdom;
- 2) Tsuyoshi Hasegawa, National Institute for Materials Science, Japan;
- 3) Mieczyslaw Jalochocki, Maria Curie-Skłodowska University, Poland;
- 4) Marek Kolmer, Faculty of Physics, Astronomy, and Applied Computer Science Jagiellonian University, Poland;
- 5) Olga Neucheva, Institute of Materials Research and Engineering, Singapore;
- 6) James Owen, Zyvex Labs, USA;
- 7) Mark Saeys, National University of Singapore & Ghent University, Belgium;
- 8) Steven Schofield, London Centre for Nanotechnology, United Kingdom;
- 9) Michelle Simmons, Centre for Quantum Computation & Communication Technology, School of Physics, The University of New South Wales, Australia;
- 10) Robert Wolkow, Dept. of Physics, University of Alberta & National Institute for Nanotechnology, Canada

## PROGRAM COMMITTEE:

Christian Joachim, CEMES-CNRS, France;

André Gourdon, CEMES-CNRS, France;

Andreas Fuhrer, IBM Research-Zurich, Switzerland;

Marek Szymonski, NANOSAM, Poland